CONTENTS

Vol. 99, No. 1, September, 1969

PAGE

Functional Relation between δ-Aminolevulinate Synthesis System and Succinyl-coenzyme A Synthesis System in Rat Liver Mitochondria *T. Yoshida and N. Ishihara* 1

Histochemical Study on the Pathogenesis of *Epidermolysis Bullosa Acquisita* *Y. Sasai and T. Fujiyama* 9

Suppression of Progestational Uterine Mucosal Activity by Anthrarufin *K. Yamashita* 19

Latent Autoimmune Hemolytic Syndrome *T. Kuroyanagi and H. Sugiyama* 25

Increase of Fetal Hemoglobin and Loss of Blood Group Antigen B in a Patient with Leukemia *H. Kurokawa, S. Katsura, M. Kamada, W. Matsuo, K. Tokiwa, R. Satodate and K. Sasaki* 35

Clinical, Dermatoglyphic and Chromosomal Study of Waardenburg's Syndrome *H. Shiono, K. Bandou and J. Kadowaki* 45

Pharmacological Studies on Reflex Renal Vasodilatation *S. Matsushita, L. H. Ying, J. Kaneko, K. Murata, J. Fujii, K. Kuramoto and M. Ikeda* 51

Electroencephalogram and Myelin Lipids of Six-week-old Rats with Aminopterin-treatment during Suckling Period *Ts. Arakawa, T. Mizuno, M. Chida and K. Narisawa* 59

Scanning Electron Microscopic Study on the Rat Gastric Mucosa *T. Ogata and F. Murata* 65

Tryptophan Metabolism in the Synovial Fluid in Rheumatoid Arthritis and Osteoarthritis *T. Igari, M. Tsuchizawa, K. Obara and S. Ono* 73

Morphological and Biochemical Changes in Rat Liver during the Early Stages of Ethyl Chlorophenoxyisobutyrate Administration *A. Kaneko, S. Sakamoto, M. Morita and T. Onoé* 81

Ventricular Fibrillation Induced by Saxitoxin into the AV Node Artery and Its Prevention by Phenoxybenzamine *S. Chiba, K. Hashimoto and K. Hashimoto* 103

Frequency-force Relationship in the Blood Perfused Papillary Muscle of the Dog *M. Endoh and K. Hashimoto* 105

Vol. 99, No. 2, October, 1969

Dermatoglyphics of Down's Syndrome in Japan *H. Shiono, J. Kadowaki and S. Kasahara* 107

Pathogenesis of Hypertension in Rabbits with Coarctation of the Abdominal Aorta *J. Fujii, K. Murata, H. Yamaguchi, M. Kuramochi, A. Seki and M. Ikeda* 115

Hyperalaninemia with Pyruvicemia due to Pyruvate Carboxylase Deficiency of the Liver *T. Yoshida, K. Tada, T. Konno and Ts. Arakawa* 121

Intrahepatic Biliary Obstruction in Congenital Bile Duct Atresia *R. Oh-i, M. Kasai and T. Takahashi* 129

Histochemical Studies on N-acetyl-β-galactosaminidase and N-acetyl-β-glucosaminidase in the Cancer of the Uterine Cervix *K. Sato* 151

Experimental Studies on a New Test for Placental Permeability by Phenolsulfonphthalein Injection to the Fetus (Fetal PSP Test) *R. Yamaguchi and C. Kimura* 159

Clinical Significance of the Fetal PSP Test *C. Kimura and R. Yamaguchi* 165

Local Specificity of the Seasonal Variation in the Basal Metabolic Rate of Japanese *M. Nakamura, S. Usutani, T. Horimai and K. Sugawara* 171

Quantitative Determination of Total and Free Triiodothyronine and Thyroxine *T. Sakurada, S. Saito, K. Inagaki, S. Tayama and T. Torikai* 179

The Excretion and Formation of Aminoacetone and δ-Aminolevulinic Acid in Man *T. Ando and W.L. Nyhan* 189

Splenogenous Malignant Reticulosis *T. Fukuda* 197

Vol. 99, No. 3, November, 1969

Selective Alveolo-bronchography in Chronic Pulmonary Emphysema *T. Nakamura, T. Takizawa, T. Takishima, K. Konno, F. Hoshino, T. Kurashina and T. Hatayama* 207

Cytological Features of Three Fiber Types in Human Striated Muscle *T. Ogata and F. Murata* 225

Immunological Response of Splenic Subcellular Fraction Obtained from Induced Yoshida Sarcoma-resistant Animals *M. Fukushima, T. Sato, T. Kasai, M. Komaba, H. Yagihashi and Y. Ishikawa* 247

Hemodynamical Studies of Cerebral Arteries by Means of Mathematical Analysis of Arterial Casts *H. Fukasawa* 255

Vascular Patterns of the Human Testis with Special Reference to Its Senile Changes *N. Sasano and S. Ichijo* 269

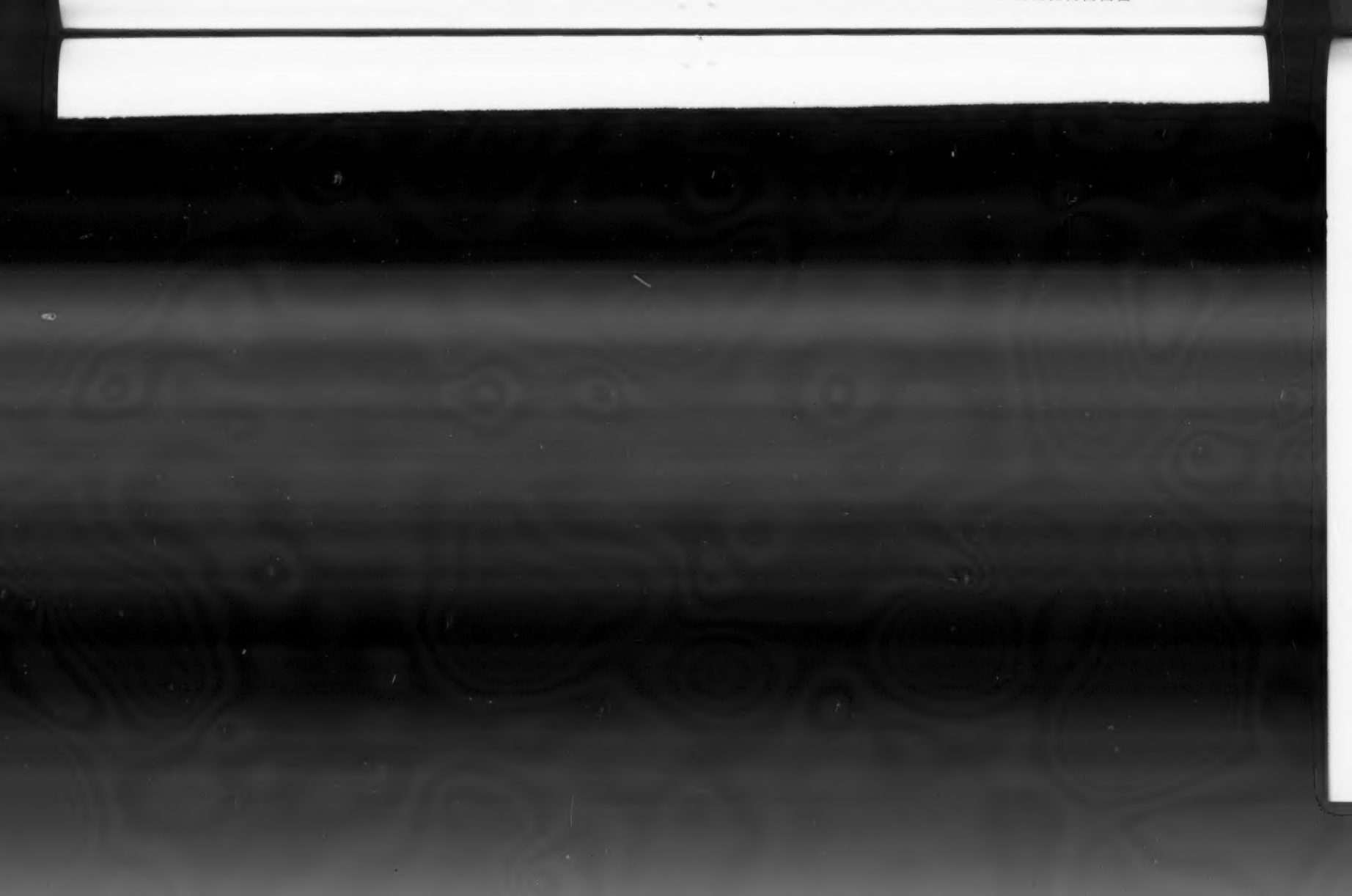
Hepatic Venography in Hepatic Tumors *T. Nakamura, S. Nakamura, A. Onodera, T. Aikawa and H. Iida* 281

The Ultrastructure of Neuromuscular Junctions of Human Red, White and Intermediate Striated Muscle Fibers *F. Murata and T. Ogata* 289

The Microvibration of the Body Surface Related to the Heartbeat in Complete A-V Block
T. Ozaki, K. Igarashi, S. Sasaki and H. Takahashi 303
Prevention of the Negative Chronotropic Effect of Adenosine by Caffeine
S. Chiba, K. Hashimoto and K. Hashimoto 307

Vol. 99, No. 4, December, 1969

Glucose Tolerance Test Performed in the Afternoon
T. Toyota and Y. Goto 309
Histochemical Study of Carbonic Anhydrase in the Kidney of Mouse, with Special Reference to the Inhibitory Effect of Diamox
M. Ishizaki 315
A Simplified Method for Detecting Fibrinogen and Its Derivatives by Tanned Red Cell Hemagglutination Inhibition Immune Assay
S. Matsushima, T. Tezuka, S. Sato and M. Maki 327
Clinical Evaluation of Combination Chemotherapy of Solid Tumors with Five or Six Anticancer Drugs
T. Saito, S. Ohira, A. Wakui, M. Yokoyama, H. Takahashi, T. Himori, M. Asamura, Y. Kobayashi, R. Kanamaru, J. Kikkawa, K. Sugahara, K. Kyo, T. Kudo, S. Maezawa, S. Ujiie, T. Kasugai, Y. Hayashi, A. Kato, N. Sugawara and T. Ichikawa 331
Methods for Differential Diagnosis of Consumption Coagulopathy
M. Maki, K. Sasaki and S. Sato 347
Pathology of Ectopic ACTH Syndrome with Emphasis on Pituitary Crooke Cells and Adrenocortical Hyperplasia Related to ACTH Activities in Tumor Tissues *N. Sasano, T. Fukuda and E. Satoh* 361
Morphological Studies of the Kupffer Cells in Tumor-bearing Hosts through the Silver Impregnation
S. Katsura, Y. Fukuda and R. Satodate 381
Suppressed Plasma Renin Activity in Hypertensive Patients — Its Evaluation for the Diagnosis of Primary Aldosteronism
M. Maebashi, K. Yoshinaga, K. Miura, K. Goto, I. Katsushima and T. Torikai 393
Effects of Nicotine and Dimethylphenylpiperazinium on the S-A Node Activity of Dogs *in situ* *S. Chiba, S. Satoh and K. Hashimoto* 407



AUTHOR INDEX

Aikawa, Tatsuya 281
Ando, Toshiyuki 189
Arakawa, Tsuneo 59, 121
Asamura, Mitsuo 331

Bandou, Kimie 45

Chiba, Shigetoshi 103, 307, 407
Chida, Nobukazu 59

Endo, Masao 105

Fujii, Jun 51, 115
Fujiyama, Tadaaki 9
Fukasawa, Hitoshi 255
Fukuda, Takao 197, 361
Fukuda, Yasuhiko 381
Fukushima, Matsuro 247

Goto, Koji 393
Goto, Yoshio 309

Hashimoto, Keitaro 103, 307
Hashimoto, Koroku 103, 105, 307, 407
Hatayama, Takeshi 207
Hayashi, Yoshito 331
Himori, Tatsumi 331
Horimai, Takahisa 171
Hoshino, Fumihiko 207

Ichijo, Sadatoshi 269
Ichikawa, Tsuneji 331
Igarashi, Katsuro 303
Igari, Tadashi 73
Iida, Hiroyoshi 281
Ikeda, Masao 51, 115
Inagaki, Kiyoshi 179
Ishihara, Nobuo 1
Ishikawa, Yoshinobu 247
Ishizaki, Makoto 315

Kadowaki, Junichi 45, 107
Kamada, Mitsugi 35
Kanamaru, Ryunosuke 331
Kaneko, Aiko 81
Kaneko, Jiro 51
Kasahara, Shoichi 107
Kasai, Morio 129
Kasai, Toru 247
Kasugai, Takako 331
Kato, Akihiko 331
Katsura, Sukemoto 381
Katsura, Syusaku 35
Katsushima, Ichiro 393
Kikkawa, Jun-ichi 331
Kimura, Chuichi 159, 165
Kobayashi, Yasushi 331
Komaba, Minoru 247
Konno, Kimio 207
Konno, Tasuke 121
Kudo, Toshio 331
Kuramochi, Morio 115
Kuramoto, Kizuku 51
Kurashina, Tatuya 207
Kurokawa, Hiroshige 35
Kuroyanagi, Takeo 25
Kyo, Ken-ei 331

Maebashi, Masaru 393
Maezawa, Sakae 331
Maki, Masahiro 327, 347
Matsuo, Wataru 35
Matsushima, Sanae 327
Matsushita, Satoru 51
Miura, Kiyoshi 393
Mizuno, Takashi 59
Morita, Masahiko 81
Murata, Fumio 65, 225, 289
Murata, Kazuhiko 51, 115

Nakamura, Masashi 171
Nakamura, Shozo 281
Nakamura, Takashi 207, 281
Narisawa, Kuniaki 59
Nyhan, W.L. 189

Obara, Kijuro 73
Ogata, Takuro 65, 225, 289
Oh-i, Ryoji 129
Ohira, Sadao 331
Ono, Shigeru 73
Onoé, Tamenori 81
Onodera, Atsushi 281
Ozaki, Toshiyuki 303

Saito, Shintaro 179
Saito, Tatuo 331
Sakamoto, Shinichi 81
Sakurada, Toshiro 179
Sasai, Yoichiro 9
Sasaki, Katsuji 347
Sasaki, Kineo 35

Sasaki, Sechiko 303
Sasano, Nobuaki 269, 361
Sato, Katsuhisa 151
Sato, Susumu 327, 347
Sato, Tsutomu 247
Satodate, Ryoichi 35, 381
Satoh, Eiichi 361
Satoh, Susumu 407
Seki, Akira 115
Shiono, Hiroshi 45, 107
Sugahara, Kazuyoshi 331
Sugawara, Kazuo 171
Sugawara, Nobuo 331
Sugiyama, Hajime 25

Tada, Keiya 121
Takahashi, Hiromu 331
Takahashi, Hitomi 303
Takahashi, Tohru 129
Takishima, Tamotu 207
Takizawa, Takao 207
Tayama, Sumio 179
Tezuka, Tadashi 327
Tokiwa, Kazuo 35
Torikai, Tatsuo 179, 393
Toyota, Takayoshi 309
Tsuchizawa, Masao 73

Ujiie, Shigeki 331
Usutani, Saburo 171

Wakui, Akira 331

Yagihashi, Hiroshi 247
Yamaguchi, Hiroshi 115
Yamaguchi, Ryuji 159, 165
Yamashita, Kazukuni 19
Ying, L.H. 51
Yokoyama, Masakazu 331
Yoshida, Takeshi 1
Yoshida, Toshio 121
Yoshinaga, Kaoru 393

179
327
335
393
309
73
331
171
331
347
115
165
119
151
131
1
121
193